

1. Summarize the reasons of overfitting and underfitting. Put them in github repository.  
Overfitting: Insufficient training data, training data with noise, too complex model, too many parameters, sampling imbalance  
Underfitting: too simple model, feeding bad features to the learning algorithms
2. Writting down three sceneries that machine learning has been used now.  
recommendation system, robot dog, smart voice assistant.
3. Come out with three new sceneries with which machine learning may be applied.  
More accurate translation system, so that we don't need to learn other languages.  
when we have a report meeting, it can write meeting record automatically.  
We can communicate with robot.